

WHAT IS CLAIMED IS:

1. A method of monitoring the physiological functioning and conditions of a person comprising the step of using sensors in a garment body wearing by the person or biochips implanted in the person to continuously monitor the physiological functioning and conditions of the person, and the step of using a monitoring center unit to transmit monitored data to a proximity or remote control center through a communication port so that the user can interact with the monitoring center unit or the user can have a two-way interaction with the remote control center, thereby providing related information to medical care persons at the remote side for diagnosis or giving an instruction to a person at the proximity side to take emergency measures.

2. The method as claimed in claim 1, further comprising the step of storing, managing and analyzing the monitored data for diagnosis for finding out abnormal conditions, the step of using a display to enable the user to inquire the way to treat himself or to inform the medical care person taking care of the user when a syndrome showing degeneration of the physiological functioning of the user occurred, and the step of using a video camera to pick up the images of the user and to transmit monitored images to the remote control center through the communication port, for enabling the person in charge at the remote control center to determine the necessary measures.

3. An apparatus for monitoring the physiological functioning and conditions of a user, comprising:

a garment body wearable to a user, the garment body having a plurality of zones;

25 sensors mounted in the zones of the garment body respectively for detecting

the physiological functioning and conditions of the user wearing the garment body;

medical treating devices mounted in predetermined zones of the garment body for applying medical treatments to the user wearing the garment body;

a communication port for transmitting the monitored data to a remote control center on the real time or at a delayed time or receiving and answering the inquiries of the user, the communication port being electrically connected to the medical treating devices;

a monitoring center unit electrically connected with the sensors, the medical treating devices and the communication port for receiving and transmitting signals such that the communication port is used to transmitting the monitored data to the remote control center, the monitoring center having I/O ports connectable to the sensors and the medical treating devices;

whereby the monitoring data of the user's physiological functioning and conditions is stored, managed and analyzed to find out abnormal conditions of the user for further treatments.

4. The apparatus as claimed in claim 3, wherein the sensors are selected from the group consisting of pressure sensors, temperature sensors, terminal sensors, voice sensors, biochemical sensors and biochips.

5. The apparatus as claimed in claim 3 or claim 4, wherein the sensors produce signals corresponding to the physiological functioning and conditions of the user and send the signals to the communication port.

6. The apparatus as claimed in claim 3, wherein the medical treating devices are selected from the group consisting of oxygen source devices, pumps, air bags, body temperature regulators, pain-causing devices, hypodermic syringes and electroshock devices.

7. The apparatus as claimed in claim 6, wherein the air bag is used with the pump, the oxygen source device or the sensors to correct the posture of the user, to fix a broken bone in position, to impart a pressure to the user, to stop bleeding of blood, to apply cardio-pulmonary resuscitation or abdominal thrust (Heimlich maneuver) to the
5 user.

8. The apparatus as claimed in claim 7, wherein the air bag is supported on a bracket at the garment body for supporting the spine of the user wearing the garment body in shape.

9. The apparatus as claimed in claim 3, wherein the communication port is
10 connectable with a communication device to transmit monitored data to the remote control center for remote diagnosis, a computer or other compatible devices.

10. The apparatus as claimed in claim 3, wherein said monitoring center unit further comprises:

a sensor interface electrically connected to the sensors to transmit detected
15 data to a processor for computing;

a communication port for transmitting detected data to the remote control center through a communication device for remote diagnosis, or to a computer or other compatible devices;

20 a data storage device for storing input data and detected data;
a display disposed at the garment body for displaying information; and
a power system for providing the apparatus with the necessary working electricity.

11. The apparatus as claimed in claim 3 or claim 10, further comprising means for data searching for enabling the monitoring center unit to be set for
25 individual use subject to personal data inputted therein.